

NOTE

Biting Midges (Diptera: Ceratopogonidae) Captured by Sundews

Sundew plants (*Drosera* spp., Droseraceae) supplement their nutritional needs by capturing prey with the sticky mucilagenous secretions of their leaves. Prior studies of sundews have not reported Ceratopogonidae among the prey items (Dixon et al. 1980, Aust. J. Bot. 28: 283-297; Thum 1986, Oecologia 70: 601-605; van Achterberg 1973, Entomol. Berich. 33: 137-140; Watson et al. 1982, Aust. J. Ecol. 7: 13-22). Ceratopogonid midges were collected from sundews at three sites on the Gulf Coastal Plain of Alabama and Florida: from *D. capillaris* Poiret, *D. intermedia* Hayne, and *D. tracyi* Macfarlane in Baldwin County, Alabama, along the flood plain of the Perdido/Styx river system; from *D. capillaris* and *D. intermedia* in Santa Rosa County, Florida, in a stream terrace bog along Pittman Creek; and from *D. capillaris* and *D. tracyi* in Walton County, Florida, in a hillside bog along U.S. Highway 331. Plants were sampled bi-weekly from April-November 1986 and from April-October 1987. Most ceratopogonids were captured by *D. tracyi*, although all three species of sundews captured some biting midges. Many of the recovered specimens were understandably in poor condition; however, we were able to obtain positive identifications of 10 species of ceratopogonids, and 8 to genus in the following list of Ceratopogonidae captured by sundews. Voucher specimens of all taxa are in the Auburn University Entomology Collection, or in the collection of the second author. We thank Willis W. Wirth for identifying the specimens of *Atrichopogon* and *Forcipomyia*.

*Atrichopogon* sp.—ALABAMA (Baldwin Co.) 18 Oct 1986, 1 ♀. *Atrichopogon (Atrichopogon) minutus* (Meigen)—FLORIDA (Walton Co.) 20 May 1986, 1 ♂, 1 ♀; 12 Apr 1987, 1 ♀; 18 May 1987, 1 ♀; 17 Jun 1987,

1 ♀; (Santa Rosa Co.) 19 Oct 1986, 1 ♀. *Forcipomyia (Forcipomyia)* sp.—FLORIDA (Walton Co.) 19 Oct 1986, 1 ♀. *Forcipomyia (Lasiohelea) fairfaxensis* Wirth—FLORIDA (Santa Rosa Co.) 19 Oct 1986, 1 ♀. *Forcipomyia (Saliohelea) leei* Wirth and Ratanaworabhan—FLORIDA (Walton Co.) 19 Oct 1986, 1 ♂, 2 ♀; 18 May 1987, 1 ♀. *Forcipomyia (Euprojoannisia) blantoni* Soria and Bystrak—FLORIDA (Walton Co.) 24 Sep 1986, 1 ♂. *Forcipomyia (E.) calcarata* (Coquillett)—ALABAMA (Baldwin Co.) 18 Oct 1986, 1 ♂. *Forcipomyia (E.)* sp.—FLORIDA (Walton Co.) 19 Oct 1986, 1 ♀. *Dasyhelea* sp.—ALABAMA (Baldwin Co.) 11 Apr 1987, 1 ♂. FLORIDA (Walton Co.) 20 May 1986, 2 ♀; 19 May 1987, 1 ♀. *Dasyhelea scutellata* (Meigen)—ALABAMA (Baldwin Co.) 11 Apr 1987, 1 ♀. FLORIDA (Santa Rosa Co.) 19 Oct 1986, 1 ♀; (Walton Co.) 20 May 1986, 2 ♀; 13 Aug 1986, 1 ♀; 4 Sep 1986, 1 ♀; 19 Oct 1986, 1 ♀; 12 Apr 1987, 2 ♀; 19 May 1987, 3 ♀; 17 Jun 1987, 2 ♀. *Dasyhelea traversae* Thomsen—FLORIDA (Santa Rosa Co.) 19 Oct 1987, 1 ♀; (Walton Co.) 13 Aug 1986, 1 ♂. *Dasyhelea* sp. nr. *mutabilis* (Coquillett)—ALABAMA (Baldwin Co.) 18 May 1987, 2 ♀. FLORIDA (Walton Co.) 20 May 1986, 1 ♀; 14 Aug 1986, 1 ♀; 24 Sep 1986, 1 ♂. *Culicoides venustus* Hoffman—FLORIDA (Walton Co.) 19 Oct 1986, 1 ♀. *Brachypogon* sp. nr. *canadensis* Downes—ALABAMA (Baldwin Co.) 11 Aug 1986, 1 ♀; 14 Aug 1986, 1 ♀; 11 Apr 1987, 1 ♂, 1 ♀. FLORIDA (Walton Co.) 18 May 1987, 1 ♀. *Stilobezzia (Stilobezzia) bulla* Thomsen—FLORIDA (Walton Co.) 19 May 1987, 1 ♀. *Clinohelea bimaculata* (Loew)—FLORIDA (Santa Rosa Co.) 17 June 1987, 1 ♀. *Bezzia* sp. nr. *expolita* (Coquillett)—FLORIDA (Walton Co.) 4 Sep 1986, 1 ♂. *Bezzia* sp. nr. *albidorsata* Malloch—ALABAMA (Baldwin Co.) 11 Apr

1987, 2 ♂. LAES publication number 91-17-5106.

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